REMARKS

The application has been amended and is believed to be in condition for allowance.

There are no formal matters outstanding.

Claims 2-4, 7-10, 15 and 19-22 have been allowed.

Claim 14 is indicated to be directed to allowable subject matter.

Claims 12-13 are amended. Claim 23 is new and depends from claim 13.

Claim 14 has been amended to depend from new claim 23.

Claims 12 and 13 were rejected as obvious over KOBACHI 6,060,337 in view of JP 09-83013.

As amended, the claims are believed non-obvious.

In the present invention, the semiconductor device comprises one of the pair of element loading portions being unbent so that the heat releasing or dissipating path through the lead is shortened. This results in improved heat dissipating characteristics for the heat-generating elements. Further, since the unbent element is positioned below the bent element loading portion, the deformation of the frame due to the bending during lead forming is lessened so as to manufacture the device with increased ease of manufacture and reliability.

These teachings are not in the applied art.

KOBACHI discloses a photoreflector detector configured such that a light emitting element and a light receiving element

are disposed adjacent to or in contact with each other. This arrangement results in the necessity of the electrical insulation of these elements.

KOBACHI does not disclose a photocoupler comprising a light-emitting element and a light-sensitive element that face each other. See Figure 12 showing the light-emitting element and the light-sensitive element both facing upward toward element 211.

KOBACHI cannot be reconfigured to have facing elements and still operate as a reflector detector.

JP 09-83013 merely discloses a light emitting element and a light receiving element disposed apart from each other by bending the upper lead in a conventional manner. Note that both element loading portions are bent.

Therefore, JP 09-83013 does not satisfy the recitation of "wherein one of said pair of element loading portions is an unbent element loading portion unbent within the light-transmitting resin."

There is no motivation to modify JP 09-83013 as recited.

Further, there is no motivation to modify these references so that the light-emitting element is loaded on the unbent element loading portion within the light-transmitting resin (claim 13). Also note that new claim 23 requires that the

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unbent element loading portion be positioned below a bent element loading portion. This would not be the case with KOBACHI.

Reconsideration and allowance of claim 12, as well as its dependent claims, are respectfully requested.

It is requested that the undersigned attorney be contacted should there be any further matters that prevent the case from being deemed to be in condition for allowance.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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